

North Dakota Industrial Commission Follow-up Spill Report

API Number 33 - 099 - 0090					Well File or Facility No. 90090				
Operator Petro Harvester Operating Company, LLC							Telephone Number 701-756-6310		
Address 1050 17th Street, Suite 2400				City Denver		State CO		Zip Code 80265	
Well Name and Number or Facility Name Cramer SWD 1				Field Renville					
Location of Well or Facility		Footages 2524 F N L 2536 F W L		Qtr-Qtr SENW	Section 8	Township 161 N	Range 82 W	County Bottineau	
Description of Spill Location if not on Well or Facility Site and/or Distance and Direction from Well or Facility Located off of well pad at NW/SW Sec. 5, T161, R82									
Directions to Site From Mohall, go east on Highway [REDACTED] miles, go north on Highway [REDACTED] NW, site is on the right									
Release Discovered By Contractor		Date Release Discovered July 20, 2011		Time Release Discovered 10 : 00 AM		Date Release Controlled July 20, 2011		Time Release Controlled 1 : 30 PM	
Company Personnel Notified [REDACTED]		How Notified Phone		Date Notified July 20, 2011		Time Notified 1 : 30 PM			
Type of Incident Pipeline Leak			Root Cause of Release Equipment Failure/Malfunction			Date Clean up Activities Concluded December 15, 2011			
Distance to Nearest Residence or Occupied Building 1/4 Miles			Distance to Nearest Fresh Water Well .25 Miles						
Piping Specifics (If Applicable)		Size (Decimal Format) 4.000 "		Type Fiberglass			Location of Piping Buried		
Volume of Release		Oil		Saltwater 300.00 Barrels			Other		
Volume of Release Recovered		Oil		Saltwater Unknown			Other		
Was Release Contained Within Dike No		If No, Was Release Contained on Well Site No			If No, Was Release Contained on Facility Site or Pipeline ROW No				
Areal Extent of Release if not Within Dike 24.4 acres				Affected Medium Topsoil			General Land Use Cultivated		
Describe Cause of Release or Fire and Other Type of Incidents, Root Causes of Release, Land Uses, and Released Substances Hole in pipeline caused a release of produced water in the subsurface.									
Action Taken to Control Release and Clean Up Action Undertaken Pipeline was shut in immediately. Soil berms were constructed around the visibly impacted areas to contain the release. Drainage tiles were installed and 40 truckloads of DeSalt chemical treatment were applied. Over 1400 bbls of water were recovered from the sump and drainage tile system. Confirmation sampling in Spring.									
Potential Environmental Impacts Contaminated soil.									
Planned Future Action and/or Action Taken to Prevent Reoccurrence Line replaced.									
Where Were Recovered Liquids Disposed Injected					Where Were Recovered Solids Disposed NA				
Weather Conditions	Wind Speed 10 MPH	Wind Direction WSW	Temperature 69 ° F	Skies Clear	Estimated Cleanup Cost \$ 2.5 million		Damage Value \$ Unknown		
Regulatory Agencies/Others Notified NDIC/NDDH		Person Notified C. [REDACTED]		Date Notified July 21, 2011		Time Notified 7 : 01 AM		Notified By [REDACTED]	
Fee Surface Owner		[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]	
Federal Agency		Lease Number		[REDACTED]		[REDACTED]		[REDACTED]	
BLM		NA		[REDACTED]		[REDACTED]		[REDACTED]	
USFS		NA		[REDACTED]		[REDACTED]		[REDACTED]	
Report Originator [REDACTED]				Title PM, Kleinfelder			Date February 28, 2012		
Reviewed By [REDACTED]				Title Field Supervisor, Petro Harvester			Date February 28, 2012		